SECTION 13 - DRYWALL FRAMES

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The backbend dimension of Series DQ profiles is always 1/2". The throat opening is thus equal to frame depth minus one inch.

The backbend dimension of Series DU profiles can be sized 5/8", 9/16", or 7/16" during forming to provide the throat opening for each standard depth.

This page should be used for general reference only. The standard Series DQ and DU frame profiles and sizes are shown in detail on the following pages.
# Distributor Tech Data

**SERIES DQ, DR & DC SLIP-ON DRYWALL FRAME PROFILES**

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</table>
| **I.** | OPENING WIDTH: SINGLE DOUBLE | 1'-0" THRU 4'-0"
|   |   | 3'-0" THRU 8'-0" |
| **J.** | OPENING HEIGHT: | 2'-0" TO 9'-0" |
| **K.** | RABBET | 1-15/16" |
| **L.** | SOFFIT: | 3/4" MINIMUM |
| **M.** | BACKBENDS | 1/2" |
| **N.** | BACKBEND RETURN | 3/8" |

For other sizes or variations, contact customer service.

* 4" Heads are available with 2" Face Jambs.
FOR OTHER SIZES OR VARIATIONS, CONTACT CUSTOMER SERVICE.
|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| A | GAGE | 18 & 16 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| B | MATERIAL | COLD ROLLED | ASTM A60 GALV |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| C | FINISH | PRIME PAINTED |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| D | DEPTH: SINGLE RABBET | 3-5/8" TO 6" |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|   | DOUBLE RABBET | 5-1/2" TO 9" |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| E | THROAT | 1" LESS DEPTH |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| F | FACE | 2" |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| G | STOP HEIGHT | 5/8" |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| H | CORNER CONDITION | K.D. |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| I | OPENING WIDTH: SINGLE | 2'-0" THRU 4'-0" |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| L | DOUBLE | 4'-0" THRU 8'-0" |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| J | OPENING HEIGHT: | 2'-0" THRU 8'-0" |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| K | RABBET | EQUAL, 2-1/8" FOR 1-3/4" DOOR |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| L | SOFFIT: DOUBLE RABBET | NORMALLY DEPTH MINUS 4-1/4" |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|   | SINGLE RABBET | NORMALLY DEPTH MINUS 2-1/8" |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| M | BACKBENDS | 1/2" |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| N | BACKBEND RETURN | 3/8" |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| W | WEATHERSTRIP | FOAM FILLED, FIRE RATED |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |

FOR OTHER SIZES OR VARIATIONS, CONTACT CUSTOMER SERVICE.
ASSEMBLY PROCEDURE:
1. Align head-tabs with jamb slots. Slide components together while engaging tabs in slots. Tabs and slots are mated when miter seam is closed tight.

Series DQ and DU slip-on drywall frames are designed for installation after the partition framework is constructed, after the gypsum wallboard is applied and the surface is finished, and after the walls are decorated. To realize this design intent, Series DQ and DU drywall frames are always furnished knocked-down.
Series DQ & DU slip-on drywall frames are designed for installation after the partition framework is constructed, after the gypsum wallboard is applied and the surface is finished, and after the walls are decorated. To realize this design intent, Series DQ & DU drywall frames are always furnished knocked-down.

ASSEMBLY PROCEDURE:
1. Align head-tabs with jamb slots. Slide components together while engaging tabs in slots. Tabs and slots are mated when miter seam is closed tight.
ASSEMBLY PROCEDURE:
1. Align head-tabs with jamb slots. Slide components together while engaging tabs in slots. Tabs and slots are mated when miter seam is closed tight.

Series DC slip-on drywall frames are designed for installation after the partition framework is constructed, after the gypsum wallboard is applied and the surface is finished, and after the walls are decorated. To realize this design intent, Series DC drywall frames are always furnished knocked-down.
ASSEMBLY PROCEDURE:
1. Align head-tabs with jamb slots. Slide components together while engaging tabs in slots. Tabs and slots are mated when miter seam is closed tight.

Series DQW slip-on drywall frames are designed for installation after the partition framework is constructed, after the gypsum wallboard is applied and the surface is finished, and after the walls are decorated. To realize this design intent, Series DQW drywall frames are always furnished knocked-down.
Distributor Tech Data

SERIES DQ AND DU FRAMES
JAMB ANCHOR DATA

DOUBLE RABBET
Series DQ and DU

SINGLE RABBET
Series DR

CASED OPENING
Series DC

Plumb Anchor
Page 13-206

Plumb Anchor
Page 13-206

Plumb Anchor
Page 13-207

2-1/4"

2-1/4"

2-1/4"

Sill Anchors
Page 13-209 or 13-210

Sill Anchors
Page 13-209 or 13-210

Sill Anchors
Page 13-209 or 13-210

STRIKE JAMB SHOWN
HINGE JAMB SIMILAR

HINGE JAMB SHOWN
STRIKE JAMB SIMILAR

BOTH JAMBS SIMILAR
13-206

Ceco Door Products

DISTRIBUTOR TECH DATA

SERIES DQ AND DU FRAME DOUBLE RABBET ADJUSTABLE PLUMB ANCHOR

16 ga. galvanized steel ANCHOR BASE
3-5/8" long centered in frame soffit

16 ga. galvanized steel PRESSURE BRACKET

18 ga. galvanized steel MITER GUIDE
one each side

Projection weld (4) places

Projection weld (4) places

Screwed in place

5/16" dia. access hole
-Fastener sits flush with frame soffit

3/4" MIN.

3/4" MIN.

1-1/4" MAX.

SINGLE RABBET PROFILE (DR Only)
Distributor Tech Data
SERIES DC CASED OPENING FRAMES
ADJUSTABLE PLUMB ANCHOR

- 5/16" dia. access hole
  - fastener sits flush
    with frame soffit

- Projection weld
  (4) places

JAMB

- Screwed in place

16 ga. galvanized steel ANCHOR BASE
  3-5/8" long centered in frame soffit

16 ga. galvanized steel PRESSURE BRACKET

18 ga. galvanized steel MITER GUIDE
  one each side

A
B
C
SERIES DQW WEATHERSTRIP-KERF FRAMES
ADJUSTABLE PLUMB ANCHOR

16 ga. galvanized steel ANCHOR BASE
3-5/8" long centered in frame soffit

16 ga. galvanized steel PRESSURE BRACKET

18 ga. galvanized steel MITER GUIDE
one each side

5/16" dia. access hole
-fastener sits flush with frame soffit

A  Projection weld (4) places
B  Screwed in place
C  Projection weld (4) places

SINGLE RABBET PROFILE (Series DRW)
Distributor Tech Data

SERIES DQ AND DU FRAMES
STANDARD SILL ANCHORAGE

Clearance notch (in shop) for fastener (DU only) whenever required

STUDS (wood or metal). For metal studs lighter than 20 gauge refer to page 13-304, Fig. 1

1/2" min. 3/4" max.

Punch and Dimple for #10 FH Screw one place each face

For cased opening frames refer to page 12-305, Fig. 2

Installer fastens jamb to wall framework. Screws by others.

Dimpled hole sill anchor technique is the standard design. Screw type fastener for fixing to wall is furnished by frame installer. Fastener should be of sufficient length so as to penetrate wall framework.
STRAP type SILL ANCHORS are available for drywall frames as an option. The basic anchor construction for standard size double rabbet profiles is shown below.

**MATERIAL:** 16 gage galv. steel

**STRAP ANCHOR** (channel type) formed to fit wall

**ZEE BRACKET,** length to suit frame profile

**STUDS** (wood or metal)
For metal studs lighter than 20 gage refer to page 13-304, Fig. 1

**Wall Board**
Base board conceals strap

**Portion of jamb removed for clarity**
Anchor welded to jamb in the shop

**Installer attaches strap to wall framework**
Screws by others

**For Cased Opening**
see page 13-305 Fig. 2
1. Notch stop and trim area at the bottom of jamb (shaded portion) in the "flat". This terminates the flap as shown after the jamb is formed.

2a. Form flap (45° offset) to cap bottom of stop and to close the jamb flush beneath terminated stop.

2b. Weld the special floor anchor to jamb and to flap.

3a. Weld seams between flap and jamb. Fill as required. Grind smooth.

3b. Spot paint

Seam is Completely Invisible
SERIES DQ, DU AND DR SLIP-ON DRYWALL FRAMES INSTALLATION INSTRUCTIONS

(DOES NOT APPLY TO LABELED OR CASED OPENING FRAMES)

TO DETERMINE ROUGH OPENING:
ADD 2" TO DOOR OPENING WIDTH
ADD 1" TO DOOR OPENING HEIGHT
e.g., For a 3068 door opening, the rough opening is: 38" x 81"

PROCEDURE:

STEP 1
A. Begin installation by pushing the top of one jamb over the wall.
B. Hold the top in place then push the bottom in towards and over the wall.

STEP 2
A. Position frame head over the wall.
B. Align head tabs with jamb slots then slide head towards jamb and engage tabs in slots.

STEP 3
A. Push the top of the remaining jamb over wall and mate jamb slots and head tabs.
B. Push the bottom of this jamb in towards and over the wall.
C. Level the head.

STEP 4
A. Insert screw driver into top plumb anchor screws. Alternately adjust top plumb anchors until they bear firmly against studs.
B. Plumb hinge jamb and fasten at sill.*
C. Place a temporary wood spreader between jamb at sill. Adjust strike jamb to fit firmly against spreader and fasten at bottom of this jamb. *
D. Adjust intermediate plumb anchors (if present) until they too bear firmly against studs
E. Install mutes in holes provided in door stops.

* Some installers prefer to hang door and fit frame to door prior to anchoring at sill.
TO DETERMINE ROUGH OPENING:
ADD 2-3/4" TO DOOR OPENING WIDTH
ADD 3/4" TO DOOR OPENING HEIGHT

**STEP 1**
PROCEDURE:
A. Begin installation by pushing the top of one jamb over the wall.
B. Hold the top in place then push the bottom in towards and over the wall.

**STEP 2**
A. Position frame head over the wall.
B. Align head tabs with jamb slots then slide head towards jamb and engage tabs in slots.

**STEP 3**
A. Push the top of the remaining jamb over wall and mate jamb slots and head tabs.
B. Push the bottom of this jamb in towards and over the wall.
C. Level the head.

**STEP 4**
A. Insert screw driver into top plumb anchor screws. Alternately adjust top plumb anchors until they bear firmly against studs.
B. Plumb hinge jamb and fasten at sill.*
C. Place a temporary wood spreader between jambs at sill. Adjust strike jamb to fit firmly against spreader and fasten at bottom of this jamb.*
D. Adjust intermediate plumb anchors (if present) until they too bear firmly against studs. 

* Some installers prefer to hang door and fit frame to door prior to anchoring at sill.

* The bottom of each jamb face is punched and dimpled for a type "S" bugle head, drywall screw.
1. Jambs of rough framing should be plumb and in the same plane. See Fig. 1.

2. Rough header should be level and form a right angle (90°) with jambs.

3. To determine rough opening dimension, refer to installation instructions.

4. Measurement for rough opening should be taken:
   A. WIDTH at head and sill
   B. HEIGHT at both jambs

5. Tolerances for rough opening dimensions: minus = 0, plus = 1/2" (total).

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Walls adjacent to door opening are plumb and in the same plane.

Walls are not in the same plane.

Walls are in the same plane but are not plumb.
Distortion Of Light Gage Metal Studs Or Floor Runners (Thinner Than 20 Gage) May Occur When The Plumb Anchor Is Compressed Or When Point Of Sill Anchor Fastener Does Not Penetrate Floor Runner.

The following methods will provide the necessary rigidity to prevent this distortion:

**JAMBS**
1. Provide wood (2x4) cripples at the door frame side of the light gage studs. Cripples to run from floor to underside of steel stud header. Refer to Fig. 1.

2. Provide two 16 gage steel studs (back to back) on either side of the door frame. Refer to Fig. 2.

**SILL**
If only light gage steel studs are used for framing the drywall frame, refer to page 13-305 Fig. 1 and 2.

Steel Studs, less than 20 gage
Steel Floor Runner
Wood Cripple (1-1/2" thick)
Steel Studs, 16 gage

Note: Rip 2 x 4 to fit if stud is less than 3-1/2"
SERIES DQ, DU and DR

A Notch studs as required to provide clearance for block.

B Cut block to fit and place in channel as shown. Align with end of runner. (Block need not exceed 6" long.)

SERIES DC with STANDARD SILL ANCHOR

Project floor runners 5/8" past rough-in openings at both corners. (Not required when optional strap type sill anchor is used.) See Fig. 3

A and B proceed as in Fig. 1 above.